

# Notice of Allowability

Application No.

10/510,109

Examiner

Jason J. Boeckmann

Applicant(s)

GARCIA ET AL.

Art Unit

3752

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 9/18/2006.
2. ☒ The allowed claim(s) is/are 1, 2 and 4-21.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Raja Saliba on 9/27/2006.

The application has been amended as follows:

Lines 18-20, of claim 1, have been replaced with:

wherein the shutter comprises an elongated plunger pin that extends within an elongated outlet section of the duct, the outlet section having an interior surface extending between the contact zone and the abutment zone, the interior surface opposing a facing exterior surface of the pin and spaced apart from the exterior surface of the pin.

New claims 20 and 21 have been added.

20. A dispenser head designed to be mounted on a movable hollow actuator and delivery rod of a fluid dispenser member, said head comprising a connection sleeve (20) designed to be engaged on said movable rod, the head defining a dispenser orifice (31), a duct (123) connecting said connection sleeve (20) to the dispenser orifice, and a

press surface (11) which can be pressed in order to move the head axially by pushing the hollow rod into the dispenser member, the head further comprising a shutter (4) that is housed, at least in part, in said duct (123), and that is resiliently biased by spring means (47) towards said dispenser orifice (31), said shutter (4) including a contact zone (41) that bears in resilient leak tight manner against the dispenser orifice (31) so as to seal the dispenser orifice hermetically, said shutter being axially movable against the spring means in such a manner as to withdraw the contact zone from the dispenser orifice, thereby creating an outlet passage for the fluid when sufficient pressure is exerted on the press surface, the shutter including at least one abutment zone (440) that is resiliently biased by the spring means against a fixed support zone (34), the abutment zone thus taking up a portion of the thrust force generated by the spring means so that the contact zone bears with a constant limited force against the dispenser orifice, the dispenser head being characterized in that at least one of the dispenser orifice (31) and the contact zone (41) presents a frustoconical configuration; and

wherein the dispenser head further comprises a displacement cam designed to come into engagement with the shutter so as to move the shutter when sufficient pressure is exerted on the press surface, said cam being designed to come into engagement with an amplification cam so as to amplify the movement of the shutter.

21. The dispenser head according to claim 20, wherein the shutter comprises an elongated plunger pin connected to a shoulder, the plunger pin thus defining a free end

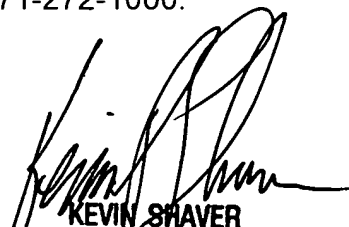
forming the contact zone designed to close the dispenser orifice selectively, the shoulder defining the abutment zone.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason J. Boeckmann whose telephone number is (571) 272-2708. The examiner can normally be reached on 7:30 - 5:00 m-f, first Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin P. Shaver can be reached on (571) 272-4720. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JJB JJB 9/28/06

  
KEVIN SHAVER  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 3700